

AMENDMENTS

In the Claims

Please amend claims 1, 3, 5-7, 9-11 and 13-14 as follows:

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- C<sup>1</sup>
1. (Twice Amended) A conditionally immortalized cell established from a transgenic animal into which a large T-antigen gene of SV40 temperature sensitive mutant tsA58 has been introduced, and wherein the cell exhibits an inside-outside polarity when cultured in vitro, and is capable of taking up a drug, and wherein the cell is immortal at conditions below 39°C, and wherein the cell does not contain a heterologous antibiotic resistance gene.
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- C<sup>2</sup>
3. (Twice Amended) An established cell derived from retinal capillary endothelial cells, which expresses a temperature sensitive SV40 large T-antigen gene, GLUT-1 transporter, and p-glycoprotein, and wherein the cell exhibits an inside-outside polarity when cultured in vitro, and is capable of taking up a drug, and wherein the cell is immortal at conditions below 39°C, and wherein the cell does not contain a heterologous antibiotic resistance gene.
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- C<sup>3</sup>
5. (Twice Amended) A method of establishing a conditionally immortalized cell which expresses a temperature sensitive SV40 large T-antigen gene, GLUT-1 transporter, and p-glycoprotein, and wherein the cell is immortal at conditions below 39°C, and wherein the cell does not contain a heterologous antibiotic resistance gene, the method comprising treating retinal capillary vessels of a transgenic animal into which a large T-antigen gene of SV40 temperature sensitive mutant tsA58 has been introduced with protease and subculturing the resulting cells at 33°C.

- C3  
cont.
6. (Twice Amended) An established cell which expresses a temperature sensitive SV40 large T-antigen gene, GLUT-1 transporter, and p-glycoprotein, and wherein the cell exhibits an inside-outside polarity when cultured in vitro, and is capable of taking up a drug, and wherein the cell is immortal at conditions below 39°C, and wherein the cell does not contain a heterologous antibiotic resistance gene, the cell obtained by treating retinal capillary vessels of a transgenic animal into which a large T-antigen gene of SV40 temperature sensitive mutant tsA58 has been introduced with protease and subculturing the resulting cells at 33°C.
7. (Twice Amended) An established cell derived from choroid plexus epithelial cells, wherein the cell exhibits an inside-outside polarity when cultured in vitro, and is capable of taking up a drug, which expresses a temperature sensitive SV40 large T-antigen gene, shows localization of Na<sup>+</sup>-K<sup>+</sup> ATPase and GLUT-1 transporter in the cell membrane, and when cultured in a monolayer, shows the localization of Na<sup>+</sup>-K<sup>+</sup> ATPase in the apical side, and wherein the cell is immortal at conditions below 39°C, and wherein the cell does not contain a heterologous antibiotic resistance gene.
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- C4
9. (Twice Amended) A method of establishing a conditionally immortalized cell which expresses a temperature sensitive SV40 large T-antigen gene, shows localization of Na<sup>+</sup>-K<sup>+</sup> ATPase and GLUT-1 transporter in the cell membrane, and when cultured in a monolayer, shows the localization of Na<sup>+</sup>-K<sup>+</sup> ATPase in the apical side, and wherein the cell is immortal at conditions below 39°C, and wherein the cell does not contain a heterologous antibiotic resistance gene, the method comprising treating choroidal epithelium tissues of a transgenic animal into which a large T-antigen gene of SV40 temperature sensitive mutant tsA58 has been introduced with protease and subculturing the resulting cells at 33°C.

- C4
10. (Twice Amended) An established cell which expresses a temperature sensitive SV40 large T-antigen gene, wherein the cell exhibits an inside-outside polarity when cultured in vitro, and is capable of taking up a drug, and shows localization of  $\text{Na}^+\text{-K}^+$  ATPase and GLUT-1 transporter in the cell membrane, and when cultured in a monolayer, shows the localization of  $\text{Na}^+\text{-K}^+$  ATPase in the apical side, and wherein the cell is immortal at conditions below  $39^\circ\text{C}$ , and wherein the cell does not contain a heterologous antibiotic resistance gene, which is obtained by treating choroidal epithelium tissues of a transgenic animal into which a large T-antigen gene of SV40 temperature sensitive mutant tsA58 has been introduced with protease and subculturing the resulting cells at  $33^\circ\text{C}$ .

- COV4.
11. (Twice Amended) An established cell derived from brain capillary endothelial cells, wherein the cell exhibits an inside-outside polarity when cultured in vitro, and is capable of taking up a drug, which expresses a temperature sensitive SV40 large T-antigen, GLUT-1 transporter, p-glycoprotein, alkaline phosphatase, and  $\gamma$ -glutamyltransferase, and wherein the cell is immortal at conditions below  $39^\circ\text{C}$ , and wherein the cell does not contain a heterologous antibiotic resistance gene.

- C5
13. (Twice Amended) A method of establishing a conditionally immortalized cell which expresses a temperature sensitive SV40 large T-antigen gene, GLUT-1 transporter, p-glycoprotein, alkaline phosphatase, and  $\gamma$ -glutamyltransferase, and wherein the cell is immortal at conditions below  $39^\circ\text{C}$ , and wherein the cell does not contain a heterologous antibiotic resistance gene, the method comprising treating brain capillary vessels of a transgenic animal into which a large T-antigen gene of SV40 temperature sensitive mutant tsA58 has been introduced with protease and subculturing the resulting cells at  $33^\circ\text{C}$ .